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NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
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NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 09 JAPIO to be reloaded August 18, 2002

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AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> s all (3w)trans(3w)retinoic(3w)acid(3w)hydroxylase
7 FILES SEARCHED...

L1 38 ALL (3W) TRANS(3W) RETINOIC(3W) ACID(3W) HYDROXYLASE

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2 12 DUP REM L1 (26 DUPLICATES REMOVED)

=> d 1-12

L2 ANSWER 1 OF 12 HCAPLUS COPYRIGHT 2002 ACS DUPLICATE 1
AN 2002:51196 HCAPLUS
DN 136:118604
TI Preparation of C-4 substituted retinoids for treatment of various cancers
and dermatol. diseases and conditions
IN Njar, Vincent C. O.; Brodie, Angela M. H.; Nnane, Ivo P.
PA University of Maryland, Baltimore, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002003912	A2	20020117	WO 2001-US16524	20010711
	WO 2002003912	A3	20020718		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-217465P P 1
OS CASREACT 136:118604; MARPAT 136:118604

L2 ANSWER 2 OF 12 SCISEARCH COPYRIGHT 2002 ISI (R) DUPLICATE 2
AN 2001:748357 SCISEARCH
GA The Genuine Article (R) Number: 466WC
TI UV-B light suppresses the **all-trans-retinoic acid-4-hydroxylase** (CYP26) and induces AP-1 and p53 in HaCaT keratinocytes
AU Roos T (Reprint); Huppertz B; Rosener I; Frank J; Merk H; Jugert F
CS Rhein Westfal TH Aachen, Univ Clin, D-5100 Aachen, Germany
CYA Germany
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (AUG 2001) Vol. 117, No. 2, pp. 421-421. MA 188.
Publisher: BLACKWELL SCIENCE INC, 350 MAIN ST, MALDEN, MA 02148 USA.
ISSN: 0022-202X.
DT Conference; Journal
LA English
REC Reference Count: 0

L2 ANSWER 3 OF 12 MEDLINE DUPLICATE 3
AN 2001073589 MEDLINE
DN 20441721 PubMed ID: 10987414
TI Potent inhibition of retinoic acid metabolism enzyme(s) by novel azolyl retinoids.
AU Njar V C; Nnane I P; Brodie A M
CS Department of Pharmacology and Experimental Therapeutics, School of Medicine, University of Maryland, Baltimore 21021-1559, USA..
vnjar001@umaryland.edu
SO BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, (2000 Sep 4) 10 (17) 1905-8.
Journal code: 9107377. ISSN: 0960-894X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200101
ED Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010104

L2 ANSWER 4 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:216097 BIOSIS
DN PREV200000216097
TI UV-B light suppresses the basal expression and inducibility of the **all-trans-retinoic acid-4-hydroxylase** in HaCaT keratinocytes.
AU Roos, T. C. (1); Roesener, I. (1); Oepen, T. (1); Frank, J. (1); Merk, H. F. (1); Jugert, F. K. (1)
CS (1) Department of Dermatology, RWTH Aachen, Aachen Germany
SO Journal of Investigative Dermatology, (April, 2000) Vol. 114, No. 4, pp. 816.
Meeting Info.: 61st Annual Meeting of the Society for Investigative Dermatology. Chicago, Illinois, USA May 10-14, 2000
ISSN: 0022-202X.
DT Conference
LA English
SL English

L2 ANSWER 5 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE 4
AN 2000:292192 BIOSIS
DN PREV200000292192
TI Methods for assessing 1,25(OH)₂D₃ activity in skin and for enhancing the therapeutic use of 1,25(OH)₂D₃.
AU Kang, Sewon (1); Voorhees, John J.; Cauwenbergh, Geert
CS (1) Dept. of Dermatology, University of Michigan 1910 Taubman Center, Skillman, NJ, 48109-0314 USA
PI US 5998393 December 07, 1999
SO Official Gazette of the United States Patent and Trademark Office Patents,

(Dec. 7, 1999) Vol. 1229, No. 1, pp. No pagination. e-file.
ISSN: 0098-1133.

DT Patent
LA English

L2 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:292193 BIOSIS
DN PREV200000292193
TI Compositions for treating skin conditions by enhancing the activity of
1,25(OH)₂ D₃ using an RXR ligand and/or a 24-hydroxylase inhibitor.
AU Voorhees, John J. (1); Kang, Sewon; Cauwenbergh, Geert
CS (1) Dept. of Dermatology, University of Michigan 1910 Taubman Center,
Skillman, NJ, 48109 USA
PI US 5998394 December 07, 1999
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Dec. 7, 1999) Vol. 1229, No. 1, pp. No pagination. e-file.
ISSN: 0098-1133.

DT Patent
LA English

L2 ANSWER 7 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:264383 BIOSIS
DN PREV199900264383
TI The **all-trans-retinoic acid-4-hydroxylase** (CYP26) is inducible in human-skin squamous cell
carcinoma cell line SCC12 but not in SCC13.
AU Jugert, F. K. (1); Merk, H. F. (1); Roos, T. C. (1)
CS (1) Department of Dermatology, University of Clinic of the RWTH, Aachen
Germany
SO Journal of Investigative Dermatology, (April, 1999) Vol. 112, No. 4, pp.
570.
Meeting Info.: 60th Annual Meeting of the Society for Investigative
Dermatology Chicago, Illinois, USA May 5-9, 1999
ISSN: 0022-202X.

DT Conference
LA English

L2 ANSWER 8 OF 12 SCISEARCH COPYRIGHT 2002 ISI (R)
AN 1999:326762 SCISEARCH
GA The Genuine Article (R) Number: 182JL
TI The **all-trans-retinoic acid-4-hydroxylase** (CYP26) is inducible in human-skin squamous cell
carcinoma cell line SCC12 but not in SCC13
AU Jugert F K (Reprint); Merk H F; Roos T C
CS UNIV CLIN, RHEIN WESTFAL TH AACHEN, DEPT DERMATOL, AACHEN, GERMANY
CYA GERMANY
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (APR 1999) Vol. 112, No. 4, pp.
284-284.
Publisher: BLACKWELL SCIENCE INC, 350 MAIN ST, MALDEN, MA 02148.
ISSN: 0022-202X.

DT Conference; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 0

L2 ANSWER 9 OF 12 MEDLINE DUPLICATE 5
AN 97094702 MEDLINE
DN 97094702 PubMed ID: 8939936
TI Identification of the retinoic acid-inducible **all-trans**
-retinoic acid 4-hydroxylase.
AU White J A; Guo Y D; Baetz K; Beckett-Jones B; Bonasoro J; Hsu K E;
Dilworth F J; Jones G; Petkovich M
CS Cancer Research Laboratories, Queen's University, Kingston, Ontario, K7L
3N6 Canada.. petkovic@queensu.ca
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Nov 22) 271 (47) 29922-7.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
 OS GENBANK-U68234
 EM 199701
 ED Entered STN: 19970128
 Last Updated on STN: 19970128
 Entered Medline: 19970113

L2 ANSWER 10 OF 12 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:248040 BIOSIS
 DN PREV199698804169
 TI Regulation, properties, and solubilization of a unique cytochrome P-450
 that specifically metabolizes all-trans retinoic acid to less active
 4-hydroxy retinoic acid in human keratinocyte HACAT cells.
 AU Marikar, Y.; Duell, E. A.; Voorhees, J. J.; Fisher, G. J.
 CS Dep. Dermatol., Univ. Michigan, Ann Arbor, MI USA
 SO Journal of Investigative Dermatology, (1996) Vol. 106, No. 4, pp. 807.
 Meeting Info.: Annual Meeting of the Society for Investigative Dermatology
 Washington, D.C., USA May 1-5, 1996
 ISSN: 0022-202X.
 DT Conference
 LA English

L2 ANSWER 11 OF 12 MEDLINE DUPLICATE 6
 AN 96179746 MEDLINE
 DN 96179746 PubMed ID: 8601734
 TI Retinoic acid isomers applied to human skin in vivo each induce a
 4-hydroxylase that inactivates only trans retinoic acid.
 AU Duell E A; Kang S; Voorhees J J
 CS Department of Dermatology, University of Michigan Medical School, Ann
 Arbor 48109-0528, USA.
 SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1996 Feb) 106 (2) 316-20.
 Journal code: 0426720. ISSN: 0022-202X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199605
 ED Entered STN: 19960517
 Last Updated on STN: 19960517
 Entered Medline: 19960503

L2 ANSWER 12 OF 12 MEDLINE DUPLICATE 7
 AN 96310791 MEDLINE
 DN 96310791 PubMed ID: 8757760
 TI Liarozole inhibits human epidermal retinoic acid 4-hydroxylase activity
 and differentially augments human skin responses to retinoic acid and
 retinol in vivo.
 AU Kang S; Duell E A; Kim K J; Voorhees J J
 CS Department of Dermatology, University of Michigan Medical Center, Ann
 Arbor, Michigan 48109-0528, U.S.A.
 SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1996 Aug) 107 (2) 183-7.
 Journal code: 0426720. ISSN: 0022-202X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199612
 ED Entered STN: 19970128
 Last Updated on STN: 19970128
 Entered Medline: 19961211

=> d 9 ab

L2 ANSWER 9 OF 12 MEDLINE DUPLICATE 5
 AB Retinoic acid (RA) metabolites of vitamin A are key regulators of gene
 expression involved in embryonic development and maintenance of epithelial
 tissues. The cellular effects of RA are dependent upon the complement of
 nuclear receptors expressed (RARs and RXRs), which transduce retinoid

signals into transcript regulation, the presence of retinoid-binding proteins (CRABP and CRBP), which may be involved in RA metabolism, and the activity of RA metabolizing enzymes. We have been using the zebrafish as a model to study these processes. To identify genes regulated by RA during exogenous RA exposure, we utilized mRNA differential display. We describe the isolation and characterization of a cDNA, P450RAI, encoding a novel member of the cytochrome P450 family. mRNA transcripts for P450RAI are expressed normally during gastrulation, and in a defined pattern in epithelial cells of the regenerating caudal fin in response to exogenous RA. In COS-1 cells transfected with the P450RAI cDNA, all-trans-RA is rapidly metabolized to more polar metabolites. We have identified 4-oxo-RA and 4-OH-RA as major metabolic products of this enzyme. P450RAI represents the first enzymatic component of RA metabolism to be isolated and characterized at the molecular level and provides key insight into regulation of retinoid homeostasis.

=> s retino? (5a) (oxid? or hydroxyl?)

5 FILES SEARCHED...

L3 2977 RETINO? (5A) (OXID? OR HYDROXYL?)

=> s l3 (5a) (dna or recomb? or gene?)

2 FILES SEARCHED...

5 FILES SEARCHED...

8 FILES SEARCHED...

9 FILES SEARCHED...

L4 176 L3 (5A) (DNA OR RECOMBIN? OR GENE?)

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 70 DUP REM L4 (106 DUPLICATES REMOVED)

=> s l4 and py=<1997

3 FILES SEARCHED...

5 FILES SEARCHED...

8 FILES SEARCHED...

L6 66 L4 AND PY=<1997

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 31 DUP REM L6 (35 DUPLICATES REMOVED)

=> d 1-10

L7 ANSWER 1 OF 31 HCAPLUS COPYRIGHT 2002 ACS

AN 1998:42492 HCAPLUS

DN 128:111577

TI Cloning of retinoid-metabolizing proteins and their therapeutic applications

IN Petkovich, P. Martin; White, Jay A.; Beckett, Barbara R.; Jones, Glenville

PA Queen's University At Kingston, Can.; Petkovich, P. Martin; White, Jay A.;

Beckett, Barbara R.; Jones, Glenville

SO PCT Int. Appl., 112 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9749815	A1	19971231	WO 1997-CA440	19970623 <--
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 6063606	A	20000516	US 1996-724466	19961001

AU 9731620	A1	19990428	AU 1997-31620	19970623
EP 910644	A1	19990428	EP 1997-926938	19970623
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9709924	A	19990810	BR 1997-9924	19970623
JP 2000513927	T2	20001024	JP 1998-502007	19970623
US 6306624	B1	20011023	US 1997-882164	19970625
PRAI US 1996-667546	A2	19960621		
US 1996-724466	A2	19961001		
WO 1997-CA440	W	19970623		

L7 ANSWER 2 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1997:242312 HCAPLUS
DN 126:288533
TI The retinoid X receptor agonist 9-cis-retinoic acid and the 24-hydroxylase inhibitor ketoconazole increase activity of 1,25-dihydroxyvitamin D3 in human skin in vivo
AU Kang, Sewon; Li, Xiao-Yan; Duell, Elizabeth A.; Voorhees, John J.
CS Department of Dermatology, University of Michigan Medical Center, Ann Arbor, MI, 48109-0314, USA
SO Journal of Investigative Dermatology (1997), 108(4), 513-518
CODEN: JIDEAE; ISSN: 0022-202X
PB Blackwell
DT Journal
LA English

L7 ANSWER 3 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1999:506263 HCAPLUS
DN 132:91724
TI Oxidative stress-induced mitochondrial DNA damage: possible contribution to diabetic complications
AU Suzuki, Susumu; Hinokio, Yoshinori; Hirai, Masashi; Chiba, Masaki; Hirai, Aki; Kasuga, Shigeru; Satoh, Yoshinori; Toyota, Takayoshi
CS Third Department of Internal Medicine, Tohoku University School of Medicine, Japan
SO Bunshi Tonyobyogaku (1997), 8, 219-224
CODEN: BTONEL
PB Igaku Tosho Shuppan K.K.
DT Journal
LA Japanese

L7 ANSWER 4 OF 31 MEDLINE DUPLICATE 1
AN 97326723 MEDLINE
DN 97326723 PubMed ID: 9183544
TI Vascular gene transfer.
AU Yla-Herttuala S
CS A.I. Virtanen Institute, University of Kuopio, Finland.
SO CURRENT OPINION IN LIPIDOLOGY, (1997 Apr) 8 (2) 72-6. Ref: 39
Journal code: 9010000. ISSN: 0957-9672.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199707
ED Entered STN: 19970805
Last Updated on STN: 19970805
Entered Medline: 19970724

L7 ANSWER 5 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1996:656959 HCAPLUS
DN 125:318689
TI Role of nitric oxide in the anti-tumoral effect of retinoic acid and 1,25-dihydroxyvitamin D3 on human promonocytic leukemic cells
AU Dugas, Nathalie; Mossalayi, M. Djavad; Calenda, Alphonse; Leotard, Angelique; Becherel, Pierre; Mentz, Frank; Ouaz, Fateh; Arock, Michel; Debre, Patrice; et al.
CS CNRS, Hop. Pitie Salpetriere, Paris, 75013, Fr.

SO Blood (1996), 88(9), 35
CODEN: BLOOAW; ISSN: 0008-4971
PB Saunders
DT Journal
LA English

L7 ANSWER 6 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1996:210661 HCAPLUS
DN 124:308839
TI Retinoid X receptor isotype identity directs human vitamin D receptor heterodimer transactivation for the 24-hydroxylase vitamin D response elements in yeast
AU Kephart, Daniel D.; Walfish, Paul G.; DeLuca, Hector; Butt, Tauseef R.
CS Department Molecular Virology, SmithKline Beecham Pharmaceuticals, King Prussia, PA, 19406-0939, USA
SO Mol. Endocrinol. (1996), 10(4), 408-19
CODEN: MOENEN; ISSN: 0888-8809
DT Journal
LA English

L7 ANSWER 7 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1996:35004 HCAPLUS
DN 124:106643
TI Extensively oxidized derivatives of carotenoids, retinoids and related conjugated polyenes useful as nontoxic cell-differentiation inducers, antiproliferative agents, and antitumor agents
IN Burton, Graham; Daroszewski, Janusz; Phipps, Jenny
PA National Research Council of Canada, Can.
SO U.S., 23 pp.
CODEN: USXXAM
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 5475006	A	19951212	US 1994-288315	19940810	<--
	CA 2171625	AA	19960222	CA 1995-2171625	19950810	<--
	WO 9605160	A1	19960222	WO 1995-CA484	19950810	<--
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT					
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
	AU 9531600	A1	19960307	AU 1995-31600	19950810	<--
	AU 704640	B2	19990429			
	EP 722431	A1	19960724	EP 1995-927612	19950810	<--
	EP 722431	B1	20010523			
	R: AT, BE, CH, DE, DK, ES, FR, GR, IE, IT, LI, NL, PT, SE					
	GB 2297325	A1	19960731	GB 1996-4444	19950810	<--
	GB 2297325	B2	19990113			
	CN 1131939	A	19960925	CN 1995-190750	19950810	<--
	JP 09504038	T2	19970422	JP 1995-506884	19950810	<--
	ES 2160172	T3	20011101	ES 1995-927612	19950810	
	FI 9601544	A	19960409	FI 1996-1544	19960409	<--
PRAI	US 1994-288315	A	19940810			
	WO 1995-CA484	W	19950810			

L7 ANSWER 8 OF 31 MEDLINE
AN 95365376 MEDLINE
DN 95365376 PubMed ID: 7638205
TI Multimeric complexes of the PML-retinoic acid receptor alpha fusion protein in acute promyelocytic leukemia cells and interference with retinoid and peroxisome-proliferator signaling pathways.
AU Jansen J H; Mahfoudi A; Rambaud S; Lavau C; Wahli W; Dejean A
CS Unite de Recombinaison et Expression Genetique, Institut National de la Sante et de la Recherche Medicale (U.163), Institut Pasteur, Paris, France.

DUPLICATE 2

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (1995 Aug 1) 92 (18) 7401-5.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199509
ED Entered STN: 19950921
Last Updated on STN: 19970203
Entered Medline: 19950911

L7 ANSWER 9 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1995:357819 HCAPLUS
DN 122:157675
TI Cytotoxic effects of autoxidative glycation
AU Carubelli, Raoul; Schneider, J. Edward, Jr.; Pye, Quentin N.; Floyd,
Robert A.
CS Oklahoma Med. Res. Found., Univ. Oklahoma Health Sci. Cent., Oklahoma
City, OK, USA
SO Free Radical Biology & Medicine (1995), 18(2), 265-9
CODEN: FRBMEH; ISSN: 0891-5849
PB Elsevier
DT Journal
LA English

L7 ANSWER 10 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1995:786738 HCAPLUS
DN 124:553
TI Regulation of rat liver apolipoprotein A-I, apolipoprotein A-II and
acyl-coenzyme A oxidase gene expression by fibrates and dietary fatty
acids
AU Berthou, Laurence; Saladin, Regis; Yaqoob, Parveen; Branellec, Didier;
Calder, Philip; Fruchart, Jean-Charles; Deneffe, Patrice; Auwerx, Johan;
Staels, Bart
CS Departement d'Atherosclerose, Institut Pasteur, Lille, Fr.
SO European Journal of Biochemistry (1995), 232(1), 179-87
CODEN: EJBCAI; ISSN: 0014-2956
PB Springer
DT Journal
LA English

=> d 7 ab

L7 ANSWER 7 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AB .beta.-Carotene and canthaxanthin, as representative carotenoids, and to a
lesser extent, retinoic acid, a representative retinoid, undergo extensive
oxidn. to yield substances, insofar as oxidized .beta.-carotene is a
model, which have properties useful as nontoxic agents active against cell
proliferation, tumors, and tumorigenic viruses, and useful as promoters of
cell differentiation. It is evident from chem. anal. of the highly
oxidized .beta.-carotene product mixt. that none of the various forms of
vitamin A are present or are present only in minor amts. Furthermore, the
biol. activities of oxidized canthaxanthin and retinoic acid, which cannot
form vitamin A, indicate the presence of active substances that are
different from vitamin A. Although the antiproliferative and
differentiation promotion activities of oxidized .beta.-carotene resemble
those of vitamin A itself, generally the effects are more powerful for
oxidized .beta.-carotene in a wide variety of circumstances. Unlike
vitamin A, the oxidized .beta.-carotene of the invention is nontoxic.

=> d 11-20

L7 ANSWER 11 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1995:252073 HCAPLUS
DN 122:23513
TI Inhibition of nitric oxide synthesis in vascular smooth muscle by

retinoids

AU Hirokawa, K.; O'Shaughnessy, K. M.; Ramrakha, P.; Wilkins, M. R.
 CS Dep. Clin. Pharmacol., Royal Postgraduate Medical School, London, W12 ONN, UK
 SO Br. J. Pharmacol. (1994), 113(4), 1448-54
 CODEN: BJPCBM; ISSN: 0007-1188
 DT Journal
 LA English

L7 ANSWER 12 OF 31 HCAPLUS COPYRIGHT 2002 ACS
 AN 1993:205989 HCAPLUS
 DN 118:205989
 TI Fatty acids and retinoids control lipid metabolism through activation of peroxisome proliferator-activated receptor-retinoid X receptor heterodimers
 AU Keller, Hansjoerg; Dreyer, Christine; Medin, Jeffrey; Mahfoudi, Abderrahim; Ozato, Keiko; Wahli, Walter
 CS Inst. Biol. Anim., Univ. Lausanne, Lausanne, CH-1015, Switz.
 SO Proc. Natl. Acad. Sci. U. S. A. (1993), 90(6), 2160-4
 CODEN: PNASA6; ISSN: 0027-8424
 DT Journal
 LA English

L7 ANSWER 13 OF 31 SCISEARCH COPYRIGHT 2002 ISI (R)
 AN 93:271279 SCISEARCH
 GA The Genuine Article (R) Number: KY848
 TI COMBINATIONS OF NITRIC **OXIDE-GENERATING** AGENTS AND **RETINOIC** ACID INDUCE CAPACITY FOR RESPIRATORY BURST AND ALKALINE PHOS-PHATASE ACTIVITY IN U-937 CELLS
 AU YAMAZAKI A (Reprint); BIRNBOIM H C
 CS OTTAWA REG CANC CTR, OTTAWA K1H 8L6, ON, CANADA; UNIV OTTAWA, OTTAWA K1N 6N5, ONTARIO, CANADA
 CYA CANADA
 SO FASEB JOURNAL, (20 APR 1993) Vol. 7, No. 7, pp. A1098.
 ISSN: 0892-6638.
 DT Conference; Journal
 FS LIFE
 LA ENGLISH
 REC No References

L7 ANSWER 14 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1993:335587 BIOSIS
 DN PREV199345030312
 TI Combinations of nitric **oxide-generating** agents and **retinoic** acid induced capacity for respiratory burst and alkaline phosphatase activity in U-937 cells.
 AU Yamazaki, A.; Birnboim, H. C.
 CS Ottawa Rgional Cancer Centre, Univ. Ottawa, Ottawa, ON K1H 8L6 Canada
 SO FASEB Journal, (1993) Vol. 7, No. 7, pp. A1098.
 Meeting Info.: Joint Meeting of the American Society for Biochemistry and Molecular Biology and American Chemical Society Division of Biological Chemistry San Diego, California, USA May 30-June 3, 1993
 ISSN: 0892-6638.
 DT Conference
 LA English

L7 ANSWER 15 OF 31 SCISEARCH COPYRIGHT 2002 ISI (R) DUPLICATE 3
 AN 94:92148 SCISEARCH
 GA The Genuine Article (R) Number: MV465
 TI WHAT HAVE BIOMARKERS TOLD US ABOUT THE EFFECTS OF CONTAMINANTS ON THE HEALTH OF FISH-EATING BIRDS IN THE GREAT-LAKES - THE THEORY AND A LITERATURE-REVIEW
 AU FOX G A (Reprint)
 CS ENVIRONM CANADA, ECS, NAT WILDLIFE RES CTR, CANADIAN WILDLIFE SERV, DIV WILDLIFE TOXICOL, HULL K1A 0H3, PQ, CANADA (Reprint)
 CYA CANADA
 SO JOURNAL OF GREAT LAKES RESEARCH, (1993) Vol. 19, No. 4, pp. 722-736.
 ISSN: 0380-1330.

DT General Review; Journal
 FS. AGRI
 LA ENGLISH
 REC Reference Count: 91
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 16 OF 31 MEDLINE DUPLICATE 4
 AN 94199412 MEDLINE
 DN 94199412 PubMed ID: 8149239
 TI Adult rabbit brain synthesizes retinoic acid.
 AU Dev S; Adler A J; Edwards R B
 CS Department of Ophthalmology L-907, Boston University School of Medicine,
 MA 02118.
 NC EY04368 (NEI)
 SO BRAIN RESEARCH, (1993 Dec 31) 632 (1-2) 325-8.
 Journal code: 0045503. ISSN: 0006-8993.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199405
 ED Entered STN: 19940523
 Last Updated on STN: 19940523
 Entered Medline: 19940511

L7 ANSWER 17 OF 31 HCAPLUS COPYRIGHT 2002 ACS
 AN 1993:470113 HCAPLUS
 DN 119:70113
 TI Effect of retinoic acid and vitamin D on the expression of
 interleukin-1.beta., tumor necrosis factor-.alpha. and interleukin-6 in
 the human monocytic cell line U937
 AU Taimi, M.; DeFacque, H.; Commes, T.; Favero, J.; Caron, E.; Marti, J.;
 Dornand, J.
 CS Sci. Tech. Languedoc, Univ. Montpellier II, Montpellier, Fr.
 SO Immunology (1993), 79(2), 229-35
 CODEN: IMMUAM; ISSN: 0019-2805
 DT Journal
 LA English

L7 ANSWER 18 OF 31 HCAPLUS COPYRIGHT 2002 ACS
 AN 1993:557423 HCAPLUS
 DN 119:157423
 TI Biological role of human cytosolic aldehyde dehydrogenase 1: Hormonal
 response, retinal oxidation and implication in testicular feminization
 AU Yoshida, A.; Hsu, L. C.; Yanagawa, Y.
 CS Dep. Biochem. Genet., Beckman Res. Inst. City of Hope, Duarte, CA, 91010,
 USA
 SO Adv. Exp. Med. Biol. (1993), 328(Enzymology and Molecular
 Biology of Carbonyl Metabolism 4), 37-44
 CODEN: AEMBAP; ISSN: 0065-2598
 DT Journal
 LA English

L7 ANSWER 19 OF 31 MEDLINE DUPLICATE 5
 AN 93176501 MEDLINE
 DN 93176501 PubMed ID: 8439447
 TI 13-cis-retinoic acid affects oxidation and DNA
 damage in oxidative-positive SLE lymphocytes but may not be useful for
 therapy.
 AU Benke P J; Belmar P; Tozman E; Monroe G; Mauldin C; Drisko J
 CS Mailman Center, University of Miami School of Medicine, Florida 33101.
 SO BIOCHEMICAL MEDICINE AND METABOLIC BIOLOGY, (1993 Feb) 49 (1)
 13-24.
 Journal code: 8605718. ISSN: 0885-4505.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199304

ED Entered STN: 19930416
Last Updated on STN: 19930416
Entered Medline: 19930401

L7 ANSWER 20 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1992:548122 HCAPLUS
DN 117:148122
TI Convergence of 9-cis retinoic acid and peroxisome proliferator signaling pathways through heterodimer formation of their receptors
AU Klierer, Steven A.; Umesono, Kazuhiko; Noonan, Daniel J.; Heyman, Richard A.; Evans, Ronald M.
CS Howard Hughes Med. Inst., Salk Inst. Biol. Stud., La Jolla, CA, 92037, USA
SO Nature (London) (1992), 358(6389), 771-4
CODEN: NATUAS; ISSN: 0028-0836
DT Journal
LA English

=> d 21-31

L7 ANSWER 21 OF 31 MEDLINE DUPLICATE 6
AN 92117989 MEDLINE
DN 92117989 PubMed ID: 1346245
TI Induction of peroxisomal beta-oxidation genes by retinoic acid in cultured rat hepatocytes.
AU Hertz R; Bar-Tana J
CS Department of Biochemistry, Hebrew University-Hadassah Medical School, Jerusalem, Israel.
SO BIOCHEMICAL JOURNAL, (1992 Jan 1) 281 (Pt 1) 41-3.
Journal code: 2984726R. ISSN: 0264-6021.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199202
ED Entered STN: 19920308
Last Updated on STN: 19980206
Entered Medline: 19920218

L7 ANSWER 22 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1992:98059 BIOSIS
DN BA93:54609
TI A FAMILIAL RB1 MUTATION DETECTED BY THE HOT TECHNIQUE IS HOMOZYGOUS IN A SECOND PRIMARY NEOPLASM.
AU WEIR-THOMPSON E; CONDIE A; LEONARD R C F; PROSSER J
CS MRC HUMAN GENETICS UNIT, WESTERN GEN. HOSP., CREWE RD., EDINBURGH EH24 2XU, UK.
SO ONCOGENE, (1991) 6 (12), 2353-2356.
CODEN: ONCNES. ISSN: 0950-9232.
FS BA; OLD
LA English

L7 ANSWER 23 OF 31 MEDLINE DUPLICATE 7
AN 92112209 MEDLINE
DN 92112209 PubMed ID: 1662663
TI The Sp1 transcription factor gene (SP1) and the 1,25-dihydroxyvitamin D3 receptor gene (VDR) are colocalized on human chromosome arm 12q and rat chromosome 7.
AU Szpirer J; Szpirer C; Riviere M; Levan G; Marynen P; Cassiman J J; Wiese R; DeLuca H F
CS Departement de Biologie Moleculaire, Universite Libre de Bruxelles, Belgium.
NC DK-14881 (NIDDK)
SO GENOMICS, (1991 Sep) 11 (1) 168-73.
Journal code: 8800135. ISSN: 0888-7543.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 199202
ED. Entered STN: 19920308
Last Updated on STN: 19920308
Entered Medline: 19920214

L7 ANSWER 24 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1990:511466 BIOSIS
DN BR39:123462
TI USE OF HUDSON'S MASK FOR SHORT OPHTHALMOLOGICAL PROCEDURES IN CHILDREN
RESULTS IN LOW COMPLICATION RATE.
AU SUSMAN D; SHAH N
CS NEW YORK HOSP.-CORNELL MED. CENT., 525 E 68 ST., NEW YORK 10021.
SO 1990 ANNUAL MEETING OF THE AMERICAN SOCIETY OF ANESTHESIOLOGISTS.
ANESTHESIOLOGY. (1990) 73 (3A), A37.
CODEN: ANESAV. ISSN: 0003-3022.
DT Conference
FS BR; OLD
LA English

L7 ANSWER 25 OF 31 WPIDS (C) 2002 THOMSON DERWENT
AN 1987-362700 [51] WPIDS
DNC C1987-155364
TI New coenzyme A and N-hydroxy succinimidyl ester(s) - of all-trans-retinoic
acid, useful e.g. against dermatological conditions.
DC B02 B03
IN DE, LUCA H F; KUTNER, A; SCHNOES, H K; DELUCA, H F; DELUCA, H E
PA (WISC) WISCONSIN ALUMNI RES FOUND
CYC 15
PI WO 8707604 A 19871217 (198751)* EN 9p <--
RW: AT BE CH DE FR GB IT LU NL SE
W: CH DE GB JP
EP 271552 A 19880622 (198825) EN <--
R: AT BE CH DE FR GB IT LI LU NL SE
US 4757140 A 19880712 (198830) 4p <--
JP 01500190 W 19890126 (198910) <--
US 4841038 A 19890620 (198931) <--
US 4966965 A 19901030 (199046) <--
CA 1305136 C 19920714 (199234) C07H019-207 <--
EP 271552 B1 19931027 (199343) EN 9p C07D207-46 <--
R: AT BE CH DE FR GB IT LI LU NL SE
DE 3787958 G 19931202 (199349) C07D207-46 <--
JP 06051716 B2 19940706 (199425) 5p C07H019-207 <--
EP 271552 A4 19900411 (199511) <--
ADT WO 8707604 A WO 1987-US1276 19870601; EP 271552 A EP 1987-904165 19870601;
US 4757140 A US 1986-869791 19860602; JP 01500190 W JP 1987-503792
19870601; US 4841038 A US 1988-190443 19880505; US 4966965 A US
1989-327540 19890323; CA 1305136 C CA 1987-538880 19870604; EP 271552 B1
EP 1987-904165 19870601, WO 1987-US1276 19870601; DE 3787958 G DE
1987-3787958 19870601, EP 1987-904165 19870601, WO 1987-US1276 19870601;
JP 06051716 B2 JP 1987-503792 19870601, WO 1987-US1276 19870601; EP 271552
A4 EP 1987-904165
FDT EP 271552 B1 Based on WO 8707604; DE 3787958 G Based on EP 271552, Based
on WO 8707604; JP 06051716 B2 Based on JP 01500190, Based on WO 8707604
PRAI US 1986-869791 19860602; US 1988-190443 19880505
IC ICM C07H019-207
ICS A61K031-70; C07C051-56; C07C175-00; C07D207-46; C07D405-14;
C07H019-20

L7 ANSWER 26 OF 31 HCAPLUS COPYRIGHT 2002 ACS
AN 1986:513450 HCAPLUS
DN 105:113450
TI Retinoids interact with the mechanism of neutrophil oxidase activation
AU Cooke, Eryl; Hallett, Maurice B.
CS Coll. Med., Univ. Wales, Cardiff, CF4 4XN, UK
SO Biochem. Soc. Trans. (1986), 14(5), 954-5
CODEN: BCSTB5; ISSN: 0300-5127
DT Journal
LA English

L7 ANSWER 27 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1986:179734 BIOSIS
 DN BR30:91606
 TI ANESTHESIA FOR INFANTS DURING RADIOTHERAPY AN INSUFFLATION TECHNIQUE.
 AU BRETT C M; WARA W M; HAMILTON W K
 CS DEP. ANESTHESIA, UNIV. CALIFORNIA, ROOM S-436, THIRD AND PARNASSUS AVE.,
 SAN FRANCISCO, CA 94143.
 SO Anesthesiology, (1986) 64 (3), 402-405.
 CODEN: ANESAV. ISSN: 0003-3022.
 FS BR; OLD
 LA English

L7 ANSWER 28 OF 31 HCAPLUS COPYRIGHT 2002 ACS
 AN 1986:418425 HCAPLUS
 DN 105:18425
 TI Anti-oxidant effects of retinoids on inflammatory skin diseases
 AU Yoshioka, A.; Miyachi, Y.; Imamura, S.; Niwa, Y.
 CS Fac. Med., Kyoto Univ., Kyoto, 606, Japan
 SO Arch. Dermatol. Res. (1986), 278(3), 177-83
 CODEN: ADREDL; ISSN: 0340-3696
 DT Journal
 LA English

L7 ANSWER 29 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1985:426631 BIOSIS
 DN BA80:96623
 TI METABOLISM OF RETINOIDS BY EMBRYONAL CARCINOMA CELLS.
 AU GUBLER M L; SHERMAN M I
 CS DEP. CELL BIOL., ROCHE INST. MOLECULAR BIOL., ROCHE RESEARCH CENTER,
 NUTLEY, NEW JERSEY 07110.
 SO J BIOL CHEM, (1985) 260 (17), 9552-9558.
 CODEN: JBCHA3. ISSN: 0021-9258.
 FS BA; OLD
 LA English

L7 ANSWER 30 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1984:355111 BIOSIS
 DN BA78:91591
 TI UV INDUCED EXTRACELLULAR FACTOR FROM HUMAN FIBROBLASTS COMMUNICATES THE UV
 RESPONSE TO NONIRRADIATED CELLS.
 AU SCHORPP M; MALLICK U; RAHMSDORF H J; HERRLICH P
 CS KERNFORSCHUNGSZENTRUM KARLSRUHE, INSTITUT FUER GENETIK UND TOXIKOLOGIE,
 D-7500 KARLSRUHE 1, FRG.
 SO CELL, (1984) 37 (3), 861-868.
 CODEN: CELLB5. ISSN: 0092-8674.
 FS BA; OLD
 LA English

L7 ANSWER 31 OF 31 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 8
 AN 1983:224353 BIOSIS
 DN BA75:74353
 TI ANTI OXIDANT PROPERTIES OF LIGNIN.
 AU CATIGNANI G L; CARTER M E
 CS DEPARTMENT OF FOOD SCIENCE, NORTH CAROLINA STATE UNIVERSITY, RALEIGH, N.C.
 27650.
 SO J FOOD SCI, (1982) 47 (5), 1745.
 CODEN: JFDSAZ. ISSN: 0022-1147.
 FS BA; OLD
 LA English

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(FILE 'HOME' ENTERED AT 19:50:22 ON 09 AUG 2002)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
 NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 19:50:29 ON 09 AUG 2002

L1 38 S ALL (3W)TRANS(3W)RETINOIC(3W)ACID(3W)HYDROXYLASE

L2 12 DUP REM L1 () ICATES REMOVED)
L3 2977 S RETINO? (5A) (OXID? OR HYDROXYL?)
L4 176 S L3 (5A) (DNA OR RECOMBIN? OR GENE?)
L5 70 DUP REM L4 (106 DUPLICATES REMOVED)
L6 66 S L4 AND PY=<1997
L7 31 DUP REM L6 (35 DUPLICATES REMOVED)

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